

2025

M.Sc. 1st Semester Examination

COMPUTER SCIENCE

Paper : COSO406VC

[Indian Knowledge System (IKS)]

Full Marks : 25

Time : One Hour

*The figures in the margin indicate full marks.
Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *two* questions : $2 \times 2 = 4$

1. Which ancient texts form a significant part of the Vedic corpus in Indian Knowledge System? [CO1]
2. Who invented zero (0) in India? [CO1]
3. What is the importance of IKS? [CO1]
4. Name the chaturdasa vidya of ancient knowledge system. [CO3]

Group - B

Answer any *two* questions : $4 \times 2 = 8$

5. Lakshman Rekha (Boundaries of Protection) is similar to which security system today? Explain. [CO4]

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(2)

6. Who was Panini? What was his contribution to knowledge systems relevant to computing? [CO3]
7. Chakravayuh Rachna is related to which cyber security method of today? Explain. [CO4]
8. How ancient civilizations used to count? [CO2]

Group - C

Answer any *one* question : $8 \times 1 = 8$

9. How does Jatayu's Alert relate to the intrusion detection system (IDS)? Explain elaborately. [CO4]
10. Explain the scope and significance of Indian Knowledge System. [CO1]

Internal Assessment - 5 marks
